

FIG. 1

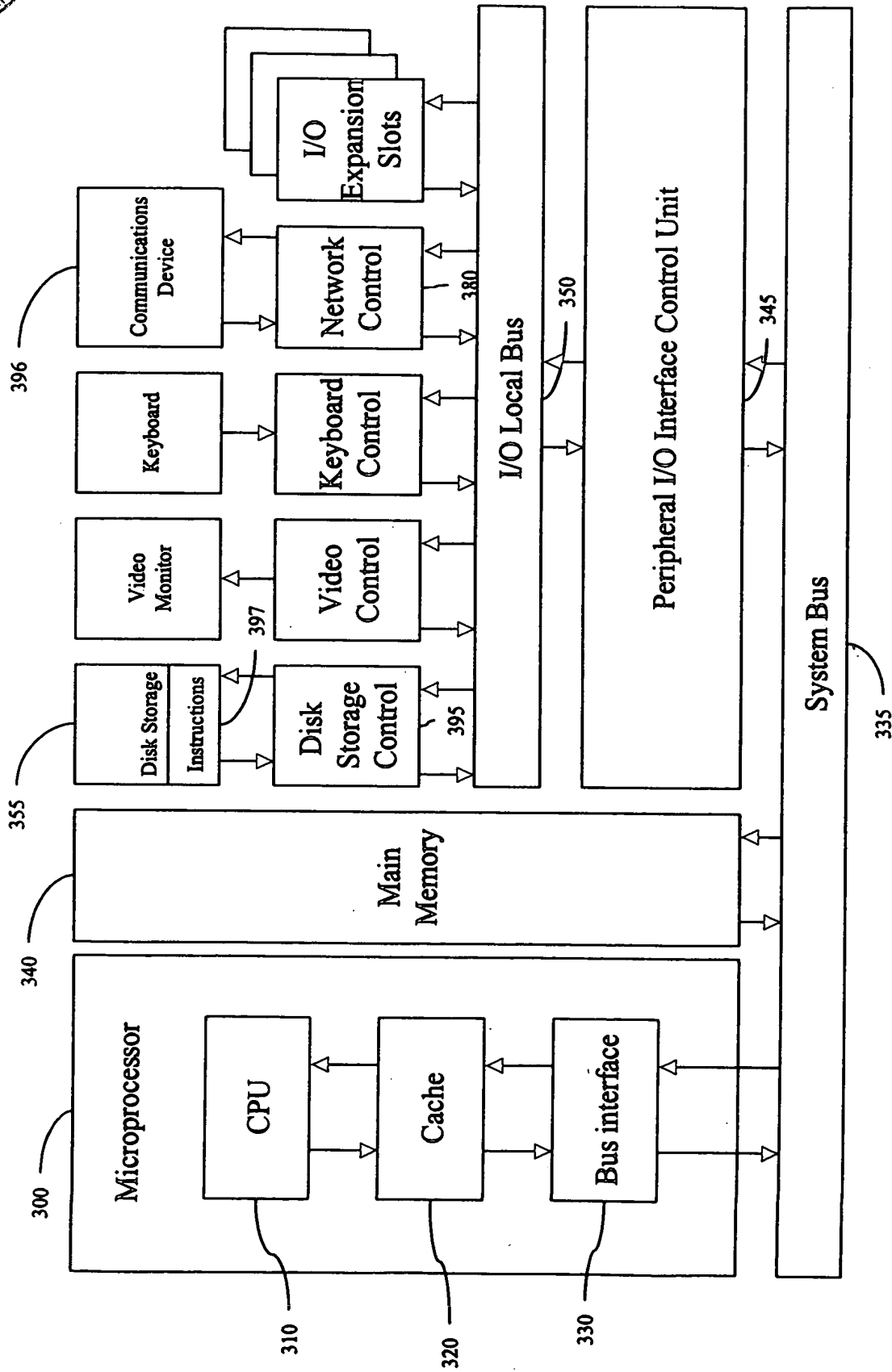


FIG. 2

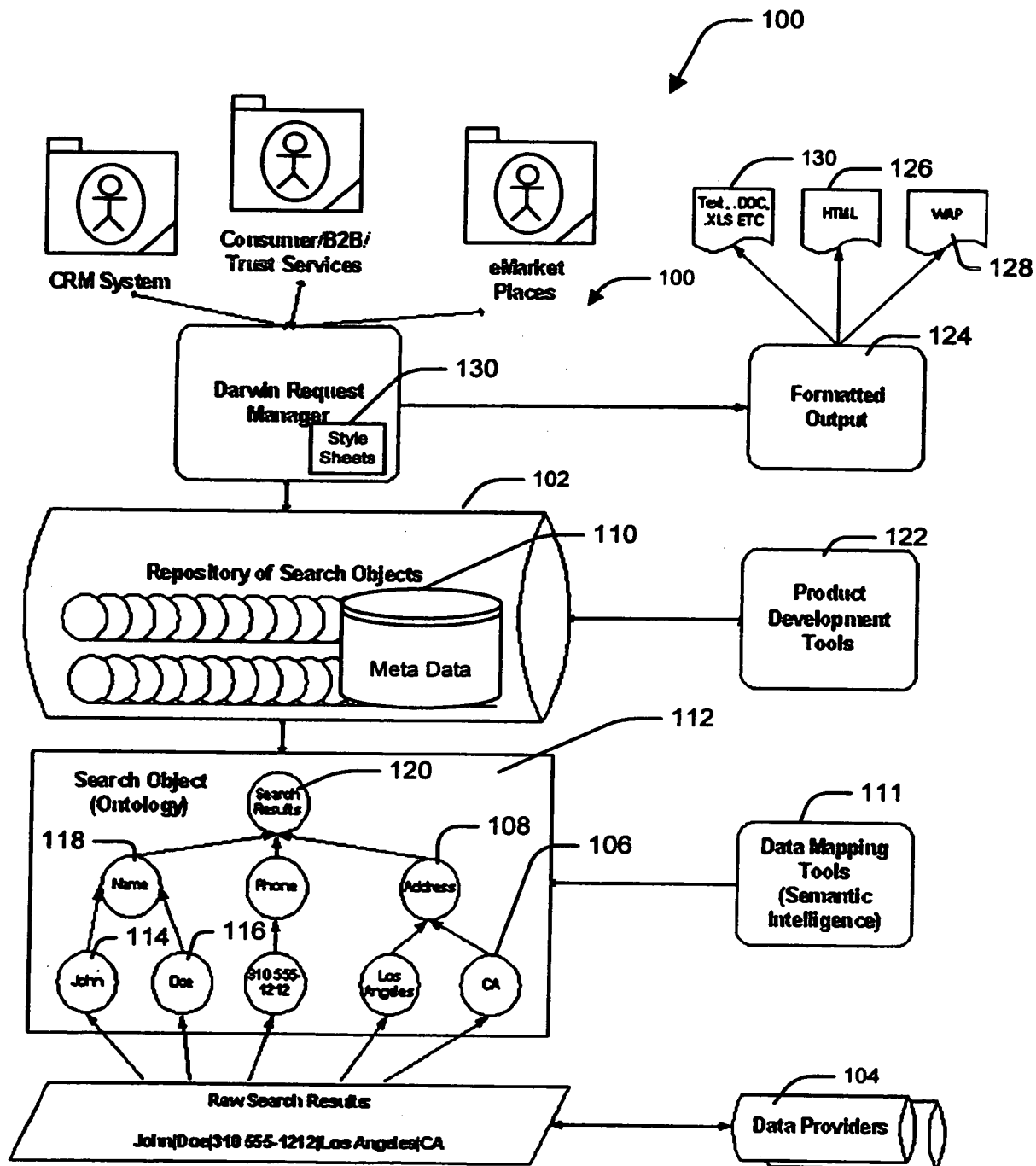


FIG. 3

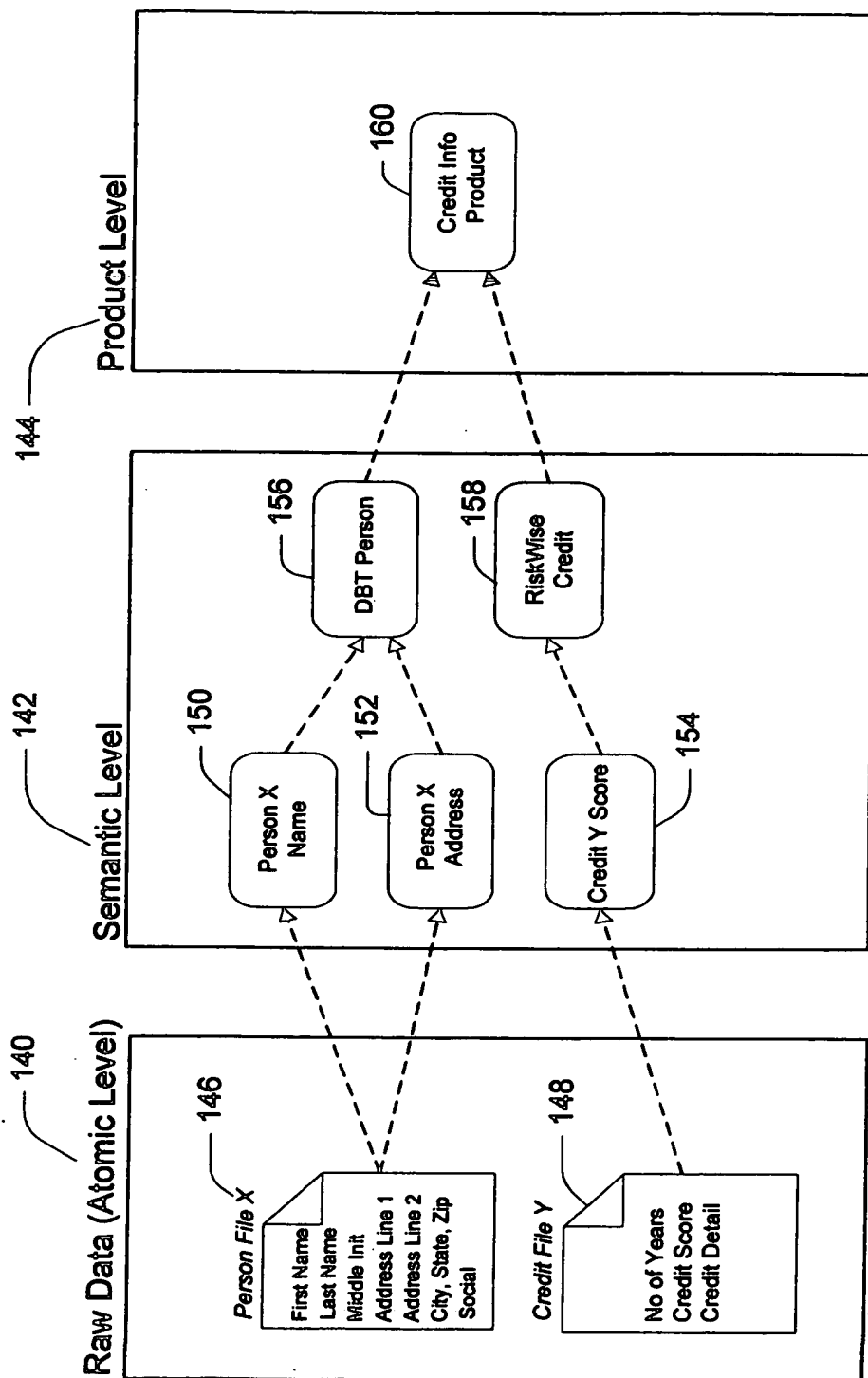


FIG. 4

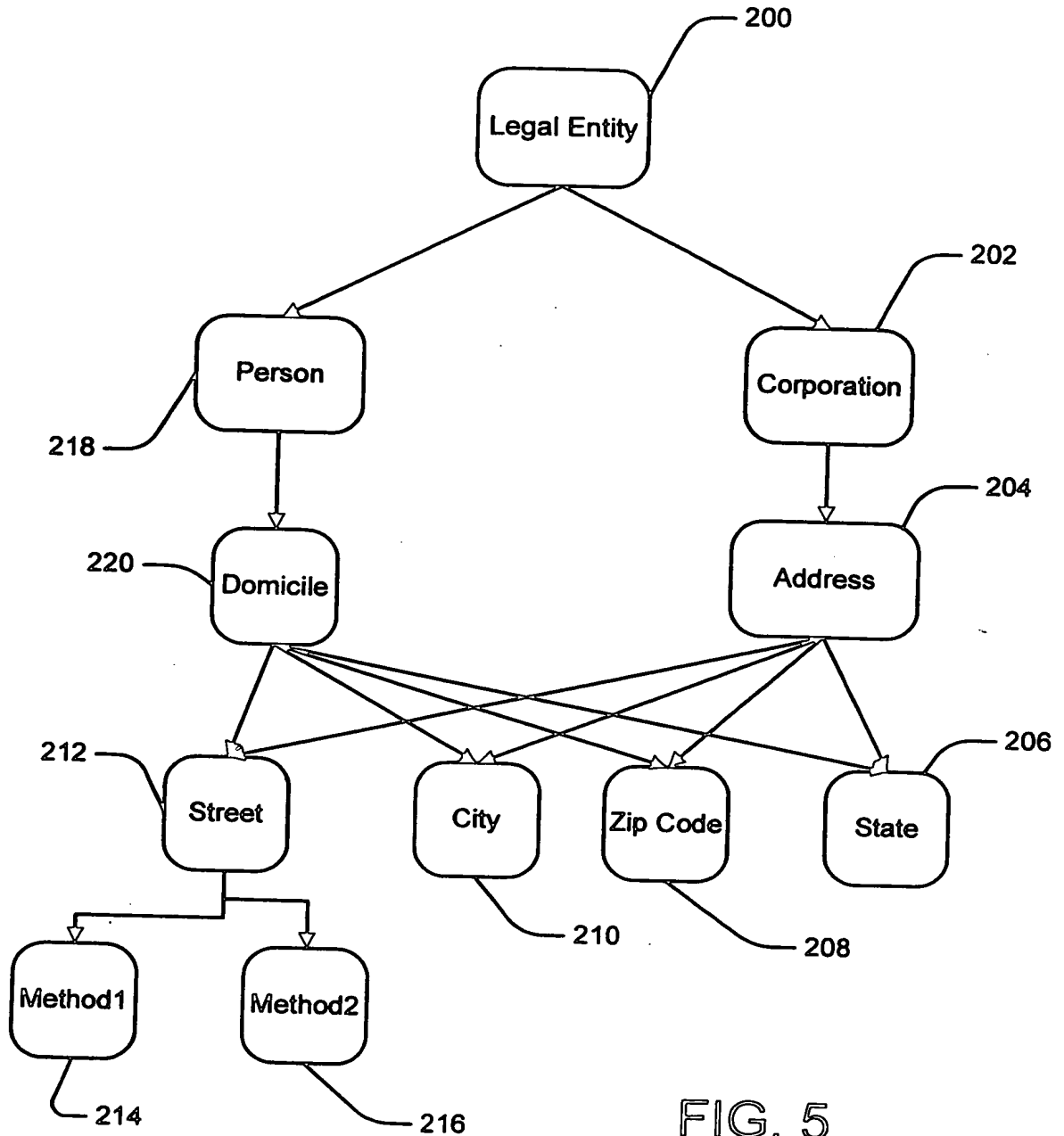


FIG. 5

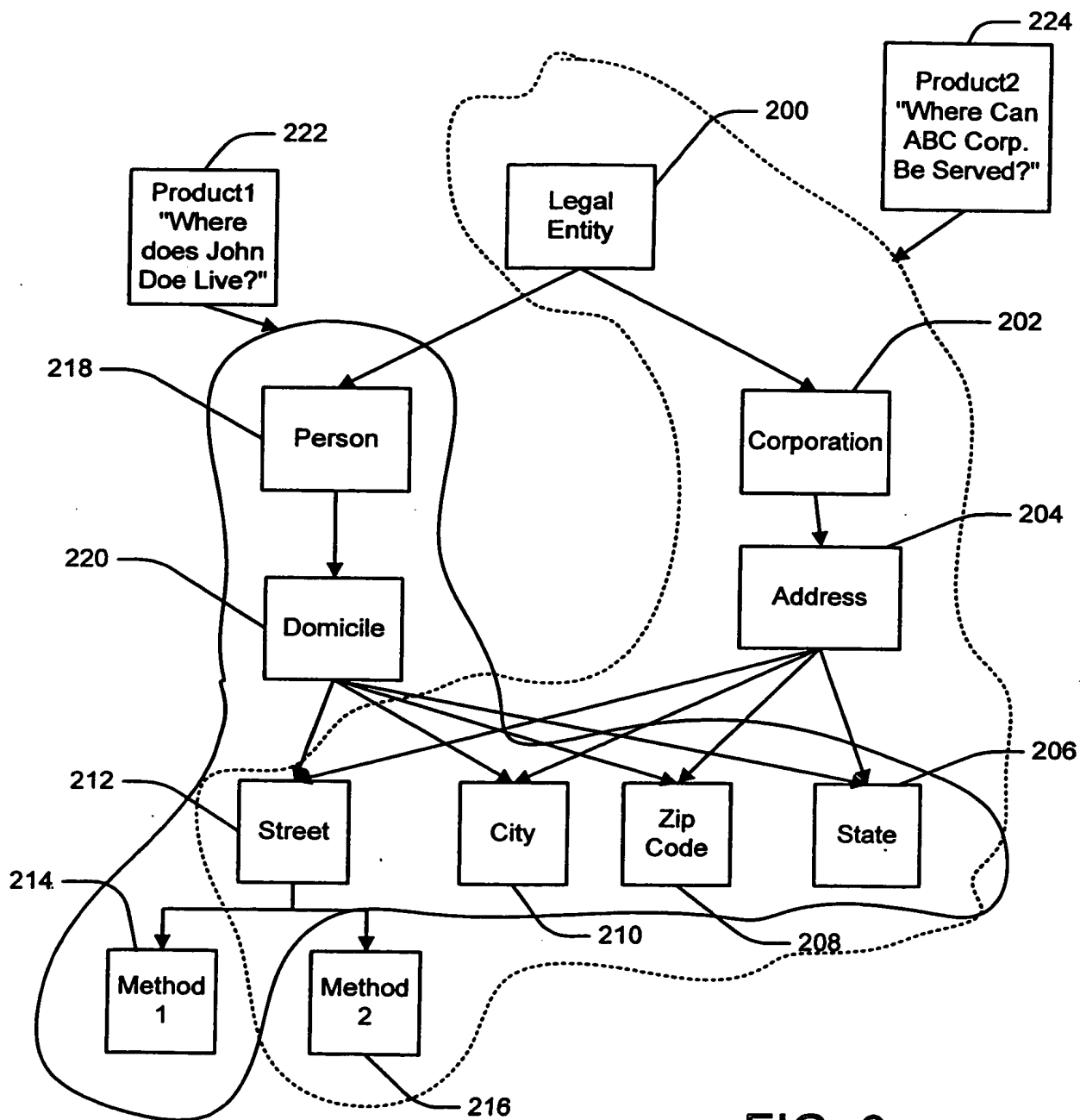


FIG. 6

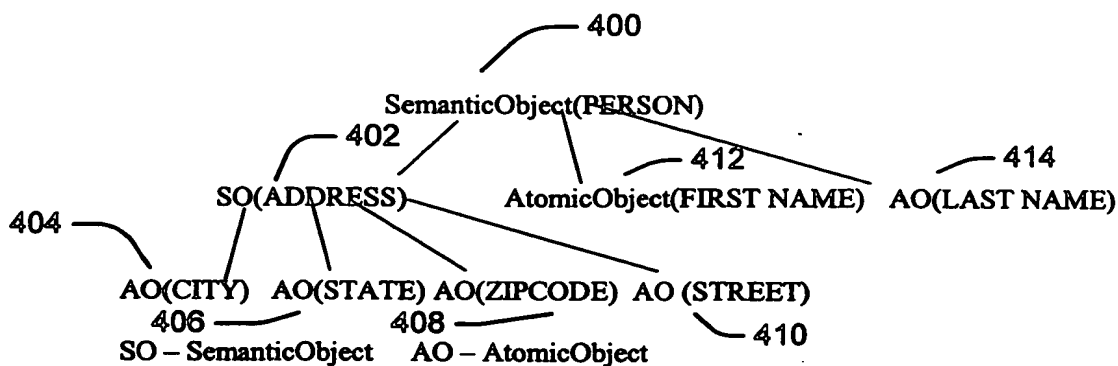


FIG. 7a

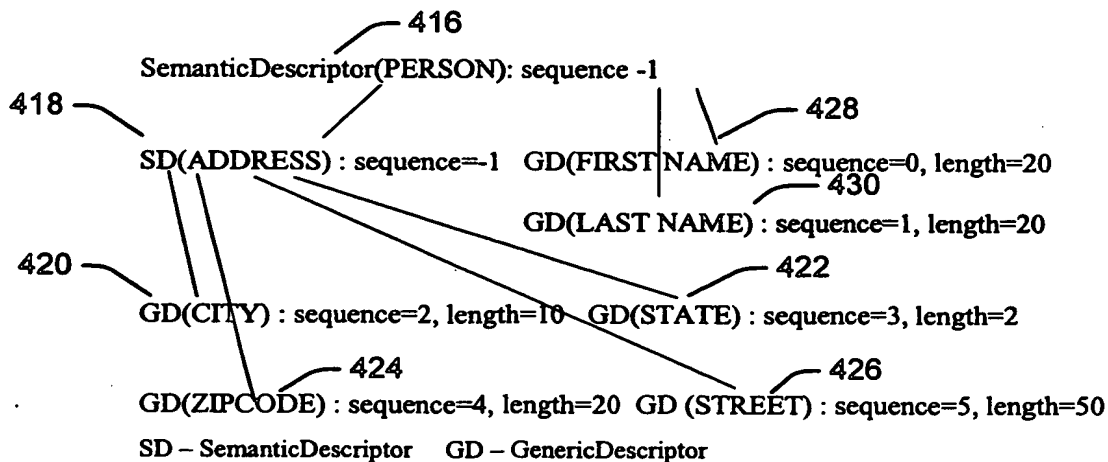
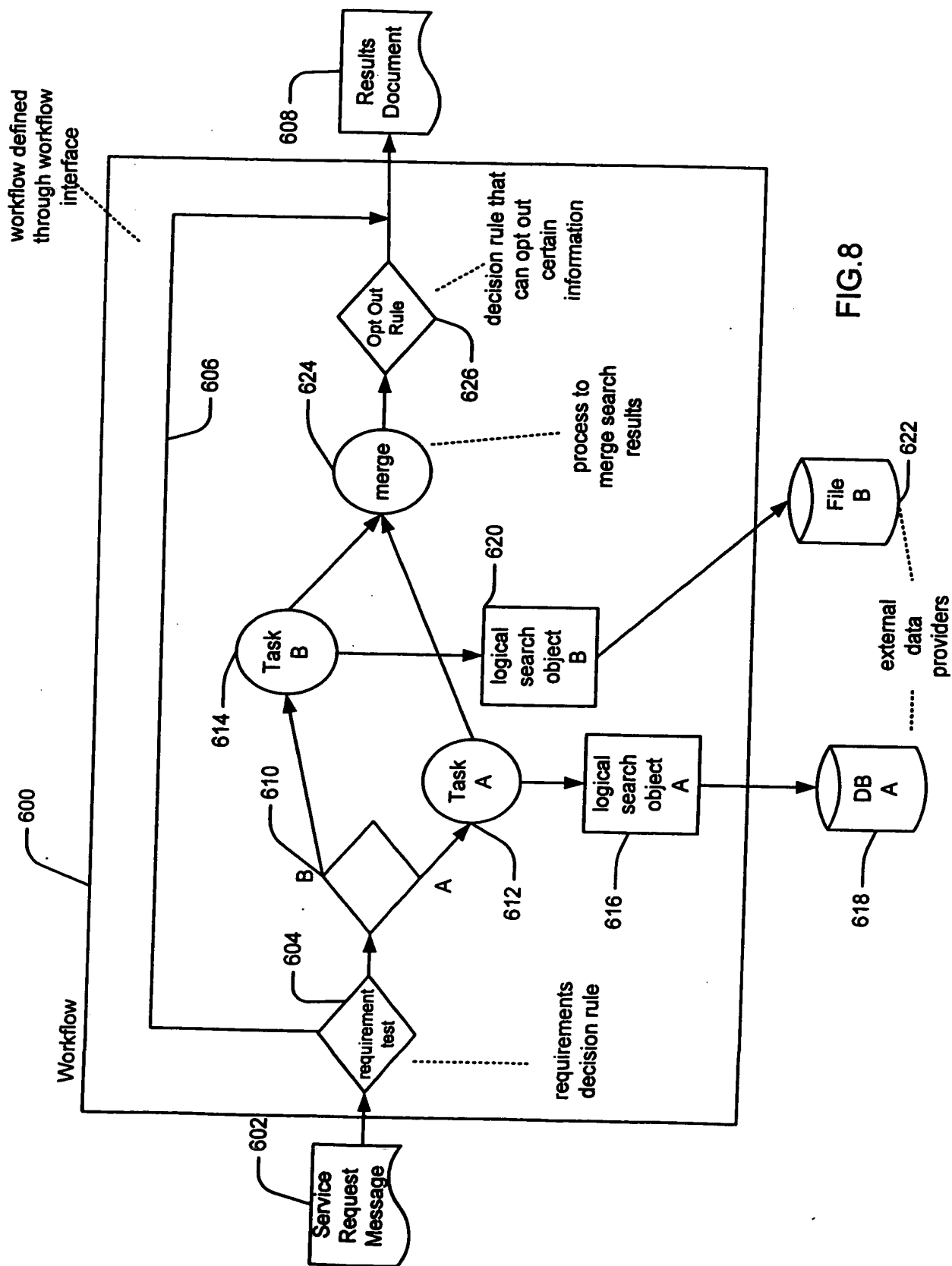


FIG. 7b





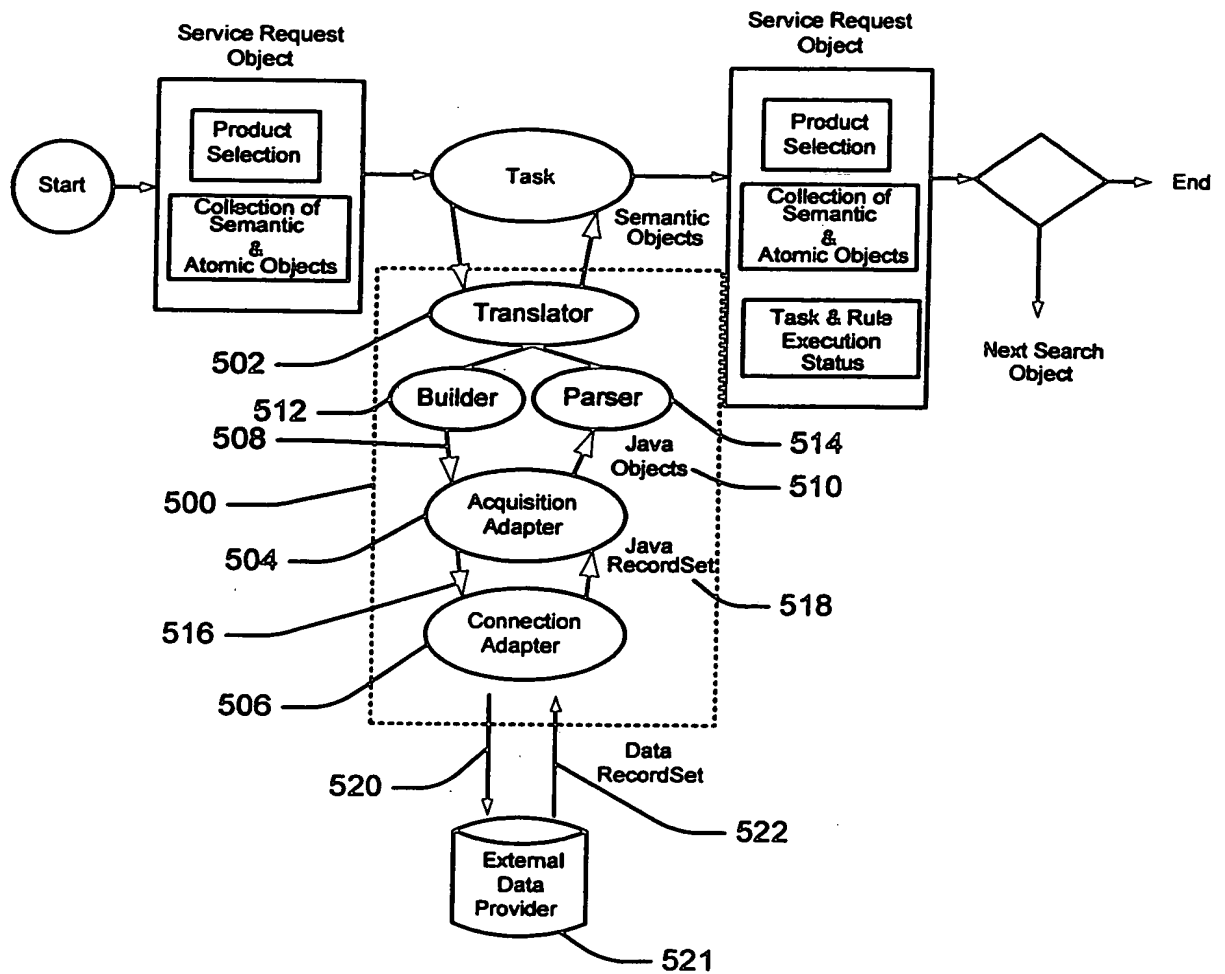
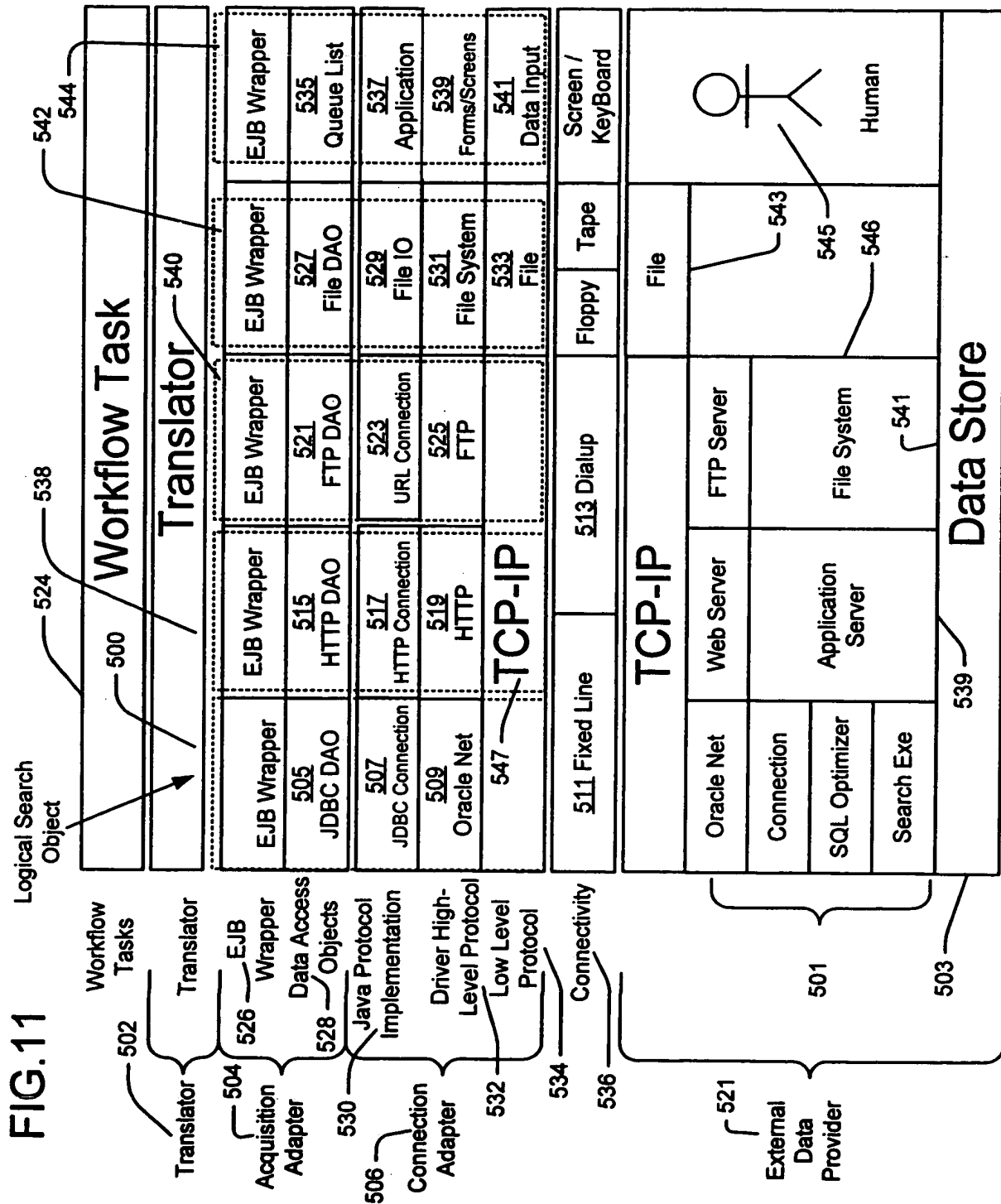
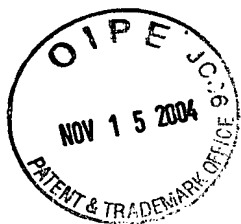


FIG. 10



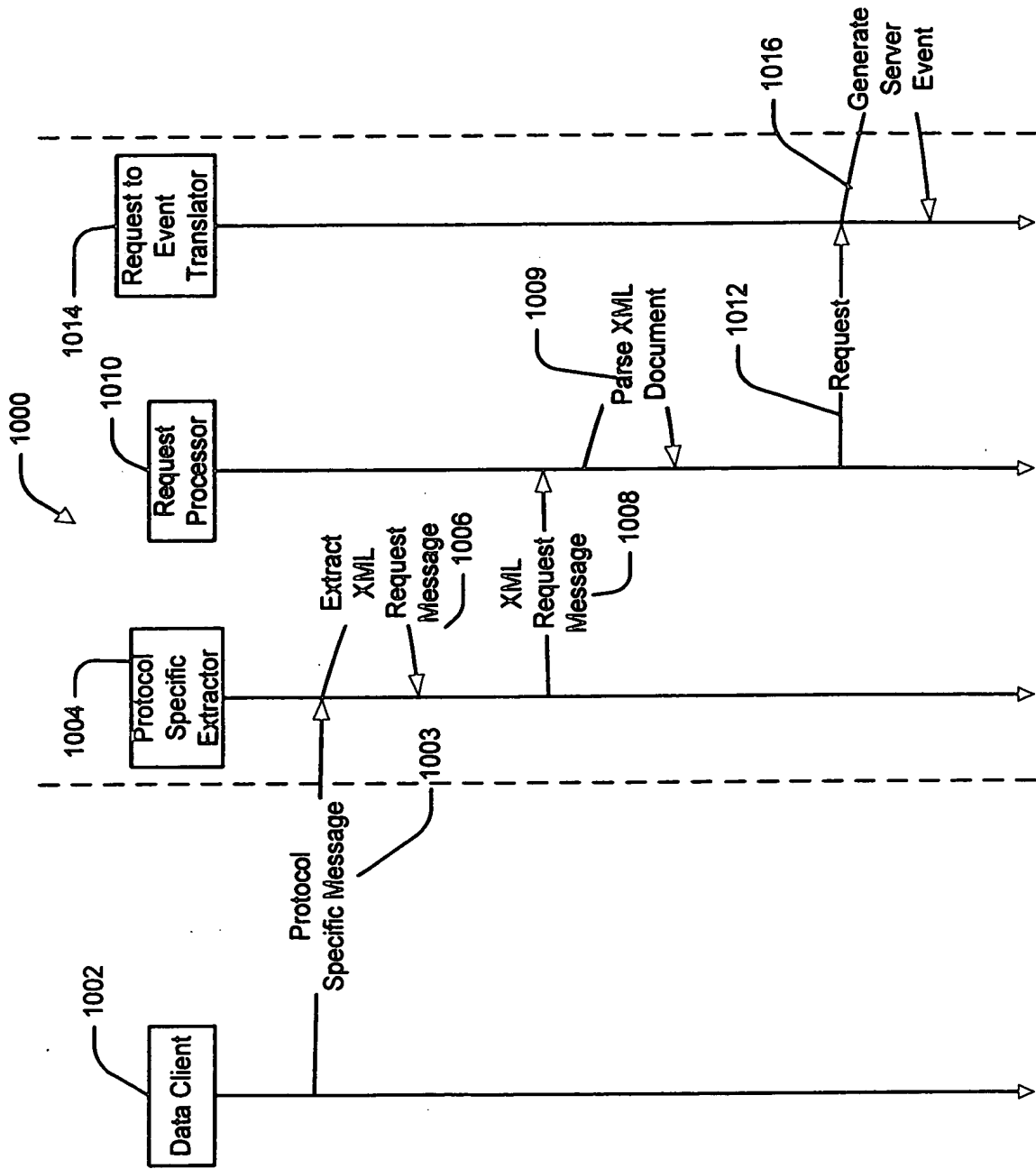


FIG. 12





Sample Service Request Message

```
<?xml version="1.0" encoding="UTF-8"?>
<message type="ServiceRequest" source-id="com.searchco">
  <data>
    <service-request message-id="11001100">
      <service-item sku="CSRA Search" item="1">
        <parameter name="1" first-name="John" />
        <parameter name="1" last-name="Smith" />
        <notification type="email">
          <parameter name="address"
            value="John.Smith@company.com" />
          <format style="email" />
        </notification>
        <result-format>
          <format style="csra-results" />
        </result-format>
        <results>
        </results>
      </service-item>
    </service-request>
  </data>
</message>
```

Diagram annotations (pointing to XML elements):

- 1100: points to `<data>`
- 1101: points to `<message type="ServiceRequest" source-id="com.searchco">`
- 1104: points to `<service-request message-id="11001100">`
- 1106: points to `<service-item sku="CSRA Search" item="1">`
- 1108: points to `<parameter name="1" first-name="John" />`
- 1110: points to `<parameter name="1" last-name="Smith" />`
- 1112: points to `<notification type="email">`
- 1114: points to `<result-format>`
- 1116: points to `<results>`

FIG. 14



Sample Status Messages

```
<?xml version="1.0" encoding="UTF-8"?>
<message type="Status" source-id="com.searchco" >
  <data>
    <status message-id="1010010101">
      <status-request item "1" IDAS-id="394" />
      <status-request item "2" IDAS-id="488" />
      <status-request item "3" IDAS-id="506" />
      <status-request item "4" IDAS-id="13892192312" />
    </status>
  </data>
</message>
```

Diagrammatic annotations for FIG. 15:

- Line 1: 1118
- Line 2: 1118
- Line 3: 1100 (under <data>), 1119 (under <status message-id="1010010101">), 1122 (under <status-request item "1" IDAS-id="394" />)
- Line 4: 1124 (bracketed group for lines 4, 5, and 6)
- Line 5: 1124
- Line 6: 1124
- Line 7: 1124
- Line 8: 1124
- Line 9: 1124
- Line 10: 1124
- Line 11: 1124
- Line 12: 1124
- Line 13: 1124
- Line 14: 1124
- Line 15: 1124
- Line 16: 1124
- Line 17: 1124
- Line 18: 1124
- Line 19: 1124
- Line 20: 1124
- Line 21: 1124
- Line 22: 1124
- Line 23: 1124
- Line 24: 1124
- Line 25: 1124
- Line 26: 1124
- Line 27: 1124
- Line 28: 1124
- Line 29: 1124
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- Line 32: 1124
- Line 33: 1124
- Line 34: 1124
- Line 35: 1124
- Line 36: 1124
- Line 37: 1124
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- Line 87: 1124
- Line 88: 1124
- Line 89: 1124
- Line 90: 1124
- Line 91: 1124
- Line 92: 1124
- Line 93: 1124
- Line 94: 1124
- Line 95: 1124
- Line 96: 1124
- Line 97: 1124
- Line 98: 1124
- Line 99: 1124
- Line 100: 1124

FIG. 15



Sample Cancel Messages

```
<?xml version="1.0"?> 1127
<message type="Cancel" source-id="com.searchco"> 1126
  <data> 1128
    <cancel message-id="1234567890">
      <cancel-request item "1" IDAS-id="1234567890" /> 1130
      <cancel-request item "2" IDAS-id="2345678901" /> 1132
    </cancel>
  </data>
</message>
```

FIG. 16



Sample Output Request Messages

```
<?xml version="1.0"?>
<message type="OutputRequest" source-id="com.searchco" >
  <data> 1136
    <output message-id="1234567890" > 1138 1140
      <output-request item= "1" IDAS-id="1234567890" />
        <format style="pdf " /> 1142 1141
      </ output-request> 1144
      <output-request item "2" IDAS-id=" 2345678901" />
        <format style=" html" />
      </ output-request>
    </output>
  </data>
</message>
```

FIG. 17



Sample Response Messages

Sample of a message return when a service request has been accepted.

```
<?xml version="1.0"?>
<message type="Response" source-id="IDAS" >
  <data>
    <service-response message-id="1010010101" >
      <response item="1" result="Success"
        request="Order" IDAS-id="345234234" >
        <response-value>Workflow started at 01:23pm
          September 4th < / response-value >
      < / response >
      <response item "2" result="Success"
        request=" Order" IDAS-id="345234234" >
        September 4th, 2001 < / response-value >
      < / response >
    < /service-response>
  < /data>
< / IDAS-message>
```

FIG. 18